

ACC NR: AP6025613

(A)

SOURCE CODE: UR/0413/66/000/013/0053/0053

INVENTOR: Sibarov, D. A.; Kokurin, A. D.; Krzhechkovskiy, G. N.

ORG: None

TITLE: A device for studying electric discharges in liquids. Class 23, No. 183312

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 13, 1966, 53

TOPIC TAGS: electric discharge, electrode

ABSTRACT: This Author's Certificate introduces a device for studying electric discharges between stationary and movable electrodes in liquids. Isolated electric discharges are produced by mounting the stationary electrode on the bottom of the vessel for the liquid with the movable electrode suspended above it on a flexible lead.

SUB CODE: 09, 20 / SUBM DATE: 17May65

Card 1/1

UDC; 66,092,193,05

S/080/63/036/002/013/019
D204/D307

AUTHORS: Kokurin, A. D., Obrezkov, V. D. and Sibarov, D. A.

TITLE: Electrocracking of sulfur-containing petroleum fractions to obtain acetylene, olefins, hydrogen, soot, and products containing sulfur

PERIODICAL: Zhurnal, prikladnoy khimii, v.36, no. 2, 1963, 424-427

TEXT: The starting materials investigated consisted of (1) petroleum oil from the Romashkinskoye deposit, containing 3.35% S; (2) artificial mixtures of benzene and thiophen containing dissolved free S. Electrocracking of (1) gave about 31% of acetylene, 6% olefins, 54% H₂S, and also H₂S, mercaptans, S, and CS₂. The S-content in the starting oil was simultaneously decreased by about 20 - 30%. Decomposition of (2) gave 57.2% S from the decomposition of thiophen, 42.8% S being in elemental form, and the remainder forming H₂S and CS₂. Decomposition of a 1.58% solution of S in benzene gave H₂S and CS₂.

Card 1/2

SIBAROV V.D.
KHATSKLEVICH, M.N.; MELEN'TYEV, A.A.; SIBAROV, V.D.; SERGEYEV, Ye.S.,
redaktor; KHITROV, P.A., tekhnicheskiy redaktor.

[Problems of improving the technical aspects of shunting station
operations] Voprosy uluchsheniia tekhnologicheskikh protsessov ra-
boty sortirovochnykh stantsii. Moskva, Gos. transp. zheleznodorozh.
izd-vo, 1952. 230 p. [Microfilm]
(MLRA 7:11)
(Railroads--Making up trains)

SIRAROV, V.D.

[Innovations in railroad car building] Novoe v vagonostroenii.
Moskva, Vses. uchebno-pedagog. izd-vo Trudrezervizdat, 1954. 57 p.
[Microfilm] (MIRA 10:1)
(Railroads--Cars)

VARSHURIN, A.A., inzh.; KHLERNIKOV, N.I., inzh.; SIBAROV, Yu.G.,
inzh.; FOMICHEV, V.A., inzh.; MELAMED, M.F., inzh.;
POTAPOVA, T.I., inzh.; KOLYUZHNYY, G.G., inzh.; TAGIROVA,
M.I., inzh.; SHIFMAN, C.I., inzh.; STORTS, A.A., inzh.;
VASHURIN, A.A., inzh., otv. za vypusk; KHITROV, P.A., tekhn.
red.

[Safety engineering regulations for operating traction substations and sectionalization posts of electrified railroads] Pravila tekhniki bezopasnosti pri ekspluatatsii tiagovykh postantsii i postov sektsionirovaniia elektrifitsirovannykh zheleznykh dorog. Moskva, Transzheldorizdat, 1962. 202 p.

(MIRA 15:8)

1. Russia (1923-- U.S.S.R.) Glavnoye upravleniye elektrifika-tsii i energeticheskogo khozyaystva. 2. TsE Ministerstva putey soobshcheniya (for Khlebnikov). 3. TSentral'nyy komitet profsoyuza (for Fomichev). 4. Moskovskaya zheleznaya doroga (for Kolyuzhnyy). 5. Sverdlovskaya zheleznaya doroga (for Tagirova). 6. Yuzhno-Ural'skaya zheleznaya doroga (for Shifman). 7. Zapadno-Sibirskaya zheleznaya doroga (for Storts).

(Electric railroads----Safety regulations)

SHILKIN, P.M.; ZEL'VIANSKIY, Ya.A.; SIBAROV, Yu.G.; KUSTOV, V.M.;
TSYKHMAN, A.I.; KUVSHINOV, M.I.; SHIPAREV, Yu.A.; TYURNIN,
G.A.; AVSTREYKH, L.D.; BAKANOV, N.N.; KHITROV, F.A., tekhn.
red.

[Safety engineering regulations for operating the contact
networks of d.c. electrified railroads] Pravila tekhniki bez-
opasnosti pri ekspluatatsii kontaktnoi seti postoiannogo to-
ka elektrifitsirovannykh zheleznykh dorog. Moskva, 1962.
(MIRA 15:7)
128 p.

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye elektri-
fikatsii i energeticheskogo khozyaystva. 2. Zamestitel' na-
chal'nika tekhnicheskogo ot dela TsE Ministerstva putey
soobshcheniya (for Shilkin). 3. Technicheskiy ot del TsE Mi-
nisterstva putey soobshcheniya (for Zel'vyanskiy). 4. TSen-
tral'nyy komitet profsoyuza rabochikh zheleznodorozhного
transporta (for Sibarov). 5. Nauchno-tehnicheskiy sovet Mi-
nisterstva putey soobshcheniya (for Kustov). 6. Sluzhba
elektrifikatsii i energeticheskogo khozyaystva Odesskoy zhe-
leznoy dorogi (for TSykhman). 7. ECh Yuzhno-Ural'skoy zeleznoy
dorogi (for Kuvshinov). 8. ECh Moskovskoy zheleznoy dorogi
(for Segala, Shiparev, Tyurnin). 9. EChK Oktyabr'skoy zhelez-
noy dorogi (for Avstreykh). EChK Moskovskoy zheleznoy dorogi
(for Bakanov). (Electric railroads—Safety regulations)

SIBAROV, Yu.G.

Pay more attention to safety measures in work on a.c.
locomotives. Elek. i tepl. tiaga 6 no.10:2-3 O '62.
(MIRA 15:11)

1. Tekhnicheskiy inspektor TSentral'nogo komiteta
professional'nogo soyusa rabochikh zheleznodorozhного
transporta.
(Electric locomotives—Maintenance and repair)
(Electric locomotives—Safety measures)

SHCHERBACHEVICH, G.S.; KONDRATENKO, D.V., inzh., retsenzent;
SIBAROV, Yu.G., inzh., retsenzent; KISELEVA, N.P., inzh.,
red.; VOROB'YEVA, L.V., tekhn.

[Safety measures in the maintenance and repair of diesel
locomotives] Tekhnika bezopasnosti pri remonte teplovozov.
Moskva, Izd-vo "Transport," 1964. 121 p. (MIRA 17:3)

LEVITSKIY, Andrey Lvovich; SIBAROV, Yuriy Germanovich; KHARLAMOV,
P.G., red.

[Safety measures in locomotive operation, maintenance
and repair] Tekhnika bezopasnosti v lokomotivnom kho-
ziaistve. Moskva, Transport, 1965. 209 p.
(MIRA 19:1)

Sibchid 600-513

Table I Book Extravision

500/502

Designed. Universitet

Polymersteknico-opticheskiy metod issledovaniya napryazhenij: teoriy kauderovoj
1972, Vervalno 1973 goda (Optical Polarization Method for Stress Analysis);
trantskripcija na konferencii o February 13-22, 1972, [Leningrad] Izd-vo
tekhnicheskoy literatury, 1980. 421 p. Krasna sljop izverba. 2,400 copies printed.

Berry, M. J., Malhotra, R.S.; To, V., Shchegoleva; Tech. Ed., S.D. Vodolagin;

Malhotra, R.S., Octane, L.M., Kochnev, V.M., Krasny, S.D., Maturov;

V.I. Pridernov, V.M. Proshko, E.S. Novakov, and Yu.I. Kolchugin.

NOTES: This collection of 58 articles is intended for scientists and engineers
concerned with experimental stress analysis of machine parts and structural
components.

CONTENTS: The collection contains reports presented at the conference on optical
polarization methods in stress analysis held February 13 - 22, 1972, in the People's
University and attended by 320 delegates including representatives of the German Democratic Republic,
Bulgaria, Poland, Czechoslovakia, the Polish People's Republic, the German Democratic Republic,
and the Republic of Czechoslovakia. The reports discuss general theoretical
problems and new methods of investigation and describe applications and materials
used in the optical method. Solutions of specific two-dimensional and three-
dimensional problems occurring in shipbuilding, aircraft design and engine
construction, in various branches of heavy and precision machine design, in mining,
mining, hydraulic structures, railroad transport, in structural mechanics,
geodesy, etc. An attempt of stresses in prediction of the glass and electronic
industry, etc., are given. Solution of the three-dimensional problem for
the method of polarization associated with plasticity, creep, dynamics, fatigue
problems, etc., is demonstrated. Reports previously published elsewhere are
presented here in abbreviated form. No personalities are mentioned. References
are found at the end of 41 of the reports.

OPTICAL POLARIZATION METHOD (Cont'd.)

500/502

29. Report-A. I. Use of the Optical Method for Stress Analysis in
Solving Several Problems Connected With High Pressure

512

30. Investigation of Stress Distribution Around
Gumbers and Working Tools

517

III. ANALYSIS OF STRESSES IN MACHINE PARTS

521

31. Investigation of the "Walling" Method of the Three-
Dimensional Stress of Stresses of the Semiconductor Piston on a Hydrodynamic-
Dynamic Model

521

32. Stress Analysis by Means of the Optical Polarization
Method at the Reaching Stage of an Adiabatic Compression

522

33. Stress Analysis of the Composition of a Disk and Cylinder Between Rigid
Plates Without Friction

522

Card 9/12

SIBEK, F.; VOJTEK, C.

Hyperrugosity of the stomach (rugous deep chronic gastritis). Cesk.
gastroent. vyz. 15 no.5:392-393 Ag '61.

1. Ustredni rtg oddeleni OUNZ Opava, prednosta prim. MUDr. C. Vojtek.
(GASTRITIS)

SIBEK, V.

Smrcka, I. Experience with the short-wall method in the May Day
Mine in Dubnany. p. 258.
UHLI, Prague, Vol. 4, no. 9, Sept. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6,
June 1956, Uncl.

SIEEK, V.

Level mining of a thick brown-coal seam and coal faces by shields of
filling; a contribution to an inquiry. p. 289.
UHLI, Prague, Vol. 4, No. 10, Oct., 1954.

SO: Monthly List of East European Accessions, (EEAL) LC, Vol. 5, No. 6, June, 1956, Unclassified.

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and the most important in all this, a considerable amount of which is
minerals.

McGraw-Hill Book Company, Inc., New York, N.Y., 1955.

1. P. 32, 4.

Cutback for increasing productivity in exploiting lignite seams in the south
Czechoslovakian Basin. p. 164.
"VII, Praha, Vol. 5, no. 5, May 1951.

2. Monthly List of West European Acquisitions, (AWL), LC, Vol. 4, no. 11, Oct. 1955,
Incl.

SIEEK, V.

SIEEK, V. Study of the movement of rocks in the long-wall mining of lignite.
p. 296.

Vol. 5, No. 9, Sept. 1955

UHLI

TECHNOLOGY

Prague, Czechoslovakia

See: East European Acquisitions, Vol. 5, No. 5, 1956

SIBEK, V.

"Results of research concerning rock pressure in our mines and its utilization." p. 121.

UHLI. (Ministerstvo paliv). Praha, Czechoslovakia, Vol. 1, No. 4,
Apr. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,
August 1959.
Uncla.

SIBEK, Vaclav, inz.

Report on the conference of the 2d group of the International
Bureau of Rock Mechanics. Uhli 4 no.8:279-280 Ag '62.

Hornicky ustav, Ceskoslovenska akademie ved, Praha.

SIEEK, Vaclav, inz.

New methods of coal seam mining and pressure control in Belgian coal mines. Uhli 4 no.9:320-323 S '62.

1. Hornicky ustav, Ceskoslovenska akademie ved, Praha.

SIBEK, Vaclav

Prospects of deep mining from the point of view of rock mechanics.
Vestnik CSAV 72 no.1:39-43 '63.

SIREK, V.

Speed of rock deformation. Vysl ban vyzk 3:41-50 '64.

1. Institute of Mining, Czechoslovak Academy of Sciences,
Prague.

SIBEK, Vaclav, inz. CSc.

Influence of supports on the control of rock pressure in
mine galleries. Uhli 6 no. 5:150-153 My '64

1. Institute of Mining, Czechoslovak Academy of Sciences.

SURF, U., and CIO.

Survey of the results of the research on oceanic waves. "The
problem of wave propagation in the ocean." 1964.

1. The effect of wind on the development of surface waves.
2. The effect of wind on the development of deep-sea waves.

Sibeleva, A. S.

Bleaching of fatty acids obtained from neutralized soap stock. M.P. Belypyatov and A.S. Sibeleva (Polytech. Inst., Kharkov). *Mayakino-Zhurnal*, Tom. 21, No. 7, 37 (1955).—Fatty acids recovered from soap stock by acidification are saponified with NaOH and the resulting soap paste is treated with several successive portions of H₂O₂ or NaOCl at 40–60°.

Vladimir N. Kruckovsky

(1)

SIBELEVA, K.F.; ZENKEVICH, G.D.; LAUFER, A.L.

Mucopolysaccharides and collagen in human keloids. Vop. med. khim. ll no.4:55-60 Jl-Ag '65.

(MIRA 18:8)

1. Kafedra chelyustno-litsevoy khirurgii TSentral'nogo instituta usovershenstvovaniya vrachey i TSentral'nyy nauchno-issledovatel'skiy institut travmatologii i ortopedii, Moskva.

BUDISAVLJEVIC, M.; SIBER, D.; MLADENOVIC, R.; MARTINIS, U.

Our 1st case of intralobar pulmonary sequestration. Acta chir.
Iugosl. 9 no.1:80-85 '61.

1. Institut za tuberkulozu NR Srbije (Director prof. dr Milic Grujic).
(LUNGS abnorm)

TALAKIN, R.V., Kand. Tekhn. Nauk; SIRKA, V.V., 1965.

Rubber bridge footings at low temperatures. Izv. Akad. Nauk SSSR, Ser. Tekhn. Nauk, No. 6, 1965, pp. 11-16.
(MIRA 18:6)

CHEMODANOV, D.I., dotsent; SIBER, V.V., assistent

Possibility of using sluiced ash in the manufacture of autoclaved building materials. Sbor. nauch. trud. TISI 8:118-122 '61.
(MIRA 15:1)

1. Tomskiy inzhenerno-stroitel'nyy institut, kafedra khimii i
stroitel'nykh materialov.
(Sand-lime products) (Lightweight concrete)

AUTHOR: Klika, O. (Professor, Engineer); Siberle, H. (b)

TITLE: Analysis of methods of removing insulation from telecommunication wires

SOURCE: Slaboproudny obzor, v. 25, no. 8, 1964, 475-482

TOPIC TAGS: insulating material, telecommunication, telecommunication equipment

Abstract [Authors' English summary, modified]: Removal of insulation from telecommunication wires depends on the batch size, facility, and wiring technology in general. The result of these factors are tools or machines designed as fixed machines or movable heads. Two comprehensive tables contain a survey of all relations, and their brief evaluation is made. Original article has 2 figures and 3 tables.

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001550420005-9

L 11434-65

ACCESSION NR: AP4048743

ASSOCIATION: CVUT, Prague; TESLA Pardubice, n. p.

SUBMITTED: 22Dec63

ENCL: 00

2
SUB CODE: EC

NO PEGS

Card 3/2

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001550420005-9"

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001550420005-9

MAKAROV, G. N.; BUZHEVICH, G. A.

Concrete Blocks

Verification of different methods of making slag concrete.
Stroi, prom. 30, No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1952. UNCLASSIFIED.

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001550420005-9"

EXCERPTA MEDICA Sec 18 Vol 3/5 Cardio. Dis. May 59

1215. The significance of the functional disturbances in the central nervous system in experimentally induced myocarditis (Russian text) SIBEVA R. *Arkh. Patol.* 1958, 20, 2 (40-48) Graphs 6

This experiment was carried out in 6 puppies; the disturbance of the CNS was provoked in the following way: when the animal tried to seize a piece of meat, an electric current was fed through its body, which practice finally led to the development of a negative eating reflex. Thereafter, myocarditis was provoked by injection of a 24-hour culture of haemolytic streptococci, in a dose of 0.1 ml. per kg. In the animals with the central nervous disturbance the myocarditis developed much more rapidly and showed a markedly severer course than in the controls.

Brandt - Berlin (V, 18)

SIPGATOV, Kh. N.

Hides and Skins

Practical method of ironing sheepskins. Leg. prom. 12 no. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December ¹⁹⁵² ~~1953~~, Uncl.

SHCHEBRAKOV, V., inzh.; SIDIGATULIN, Sh., inzh.

Cleaning petroleum tank vessels from gasoline residues. Rech.
transp. 21 no.3:25 Mr '62. (MIRA 15:4)

1. Astrakhanskoye tsentral'noye konstruktorskoye byuro.
(Tank vessels--Cleaning)

SIBGATULLIN, A.Kh

PROCESSES AND PROPERTIES INDEX

Determination of camphor in smokesless powder by the interfacial tension of its solutions. A. Kh. Sibgatullin. *Trans. Kirov. Inst. Chem. Tech. Kazan* No. 3, 165-74 (1935).—The following method is satisfactory for a rapid and relatively accurate determination of camphor in smokesless powder even in the presence of diphenylamine or nitroglycerin: Decompose exactly 5 g. of smokesless powder by boiling with 300 cc. of a 10% NaOH soln. in a short-neck 500-cc. flask. Condense vapors into a 300-cc. flask having a neck 40 cm. long and surrounded with ice. Distil 150-200 cc. of liquid, using more heat at the end of distil.

to prevent condensation in the tube connecting the distn. flask and the receiver. Shake the receiver until the camphor dissolves completely, dil. with water to exactly 300 cc., filter and det. surface tension of the soln. by the air-bubble method. Compare the results with those obtained with saline solns. contg. known quantities of camphor.

V. Kalichesky

METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001550420005-9"

SIBGATULIN, A.Kh.

Levsan, a new polyether. Med.prom. 11 no.8:36-39 Ag '57.
(MIRA 10:11)

1. Nauchno-issledovatel'skiy institut eksperimental'noy khirurgicheskoy apparatury i instrumentov.
(ETHERS) (MEDICAL SUPPLIES)

SIBGATULLIN, A.Kh.

Use of plastics in medicine. Med.prom. 12 no.9:35-39 S'58
(MIRA 11:10)

1. Nauchno-issledovatel'skiy institut eksperimental'noy khirurgi-
cheskoy apparatury i instrumentov.
(PLASTICS)
(MEDICAL SUPPLIES)

GARIN, N.D.; GOL'DINA, B.G.; ZHELOKHOVTEVA, N.N.; SIBGATULLIN, A.Kh.

Use of capron mesh for correcting soft tissue defects. Eksper.
khir. 5 no.4:9-13 Je-Ag '60. (MIRA 13:12)
(NYLON) (ABDOMEN-SURGERY)
(DIAPHRAGM-SURGERY)

SIBGATULLIN, F., inzh.

Mechanization of the loading and unloading of meat. Mias.ind.
SSSR 30 no.2:40 '59. (MIRA 13:4)

1. Chernikovskiy myasokombinat.
(Chernikovsk--Packing houses--Equipment and supplies)
(Loading and unloading)

KILL'DYUSHEV, M.M.; SIBGATULLIN, Kh.A.

Perforation of the stomach by a second ulcer after suturing the first.
Kaz. med. zhur. no.6:57 N-D '61. (MINA 15:2)

1. Shugurovskaya bol'nitsa (glavnnyy vrach ~ Kh.A. Sibgatullin)
Leninogorskogo rayona Tatarskoy ASSR.
(STOMACH--ULCERS)

GRACHEV, L. (Nizhniy Tagil); IL'IN, V. (Nizhniy Tagil); MALIKOV, I.
(Nizhniy Tagil); RAKHMKOVSKIY, M. (Nizhniy Tagil); SIBGATULLIN,
N. (Nizhniy Tagil)

Electronic bridge circuit for fire prevention systems. Pozh.delo
(MIRA 14:8)
7 no.8:26 Ag '61.
(Fire alarms) (Bridge circuits)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001550420005-9

SIBIANU, Doina, corespondenta

Production over the plan. Constr Buc 17 nc.788; 13 F '65.

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001550420005-9"

SIBIELAK, Józef

Early and late post-traumatic mental disorders and modern aspects
of their treatment. *Biul. narząd. ruchu ortop.* Pol. 29 no.5:
387-398 '64.

1. v Oddziału Chorób Psychosomatycznych Centralnego Szpitala
Górniczego w Bytomiu (Ortynator: lek. med. J. Sibielak).

ACC NR: AP7000437

(A,N)

SOURCE CODE: P0/0069/66/066/... /0982/0985

AUTHOR: Sibiga, Edward (Major; Physician); Szczerba, Halina (Dentist)

ORG: none

TITLE: Stomatological protection of newly drafted soldiers during training

SOURCE: Lekarz wojskowy, no. 11, 1966, 982-985

TOPIC TAGS: military training, dentistry, human physiology, hygiene

ABSTRACT: Observations and application of stomatological treatment as performed on 96 newly drafted soldiers during a 2-month period are described. The condition of the teeth of these new soldiers is diagnosed as very poor, as there were 369 decayed teeth and 197 teeth with gangrene as against 1920 healthy teeth. An intensive therapeutic-prophylactic treatment resulted in removal of 132 teeth and gangrened roots, and cure of 72 teeth. Education of the draftees on oral hygiene was initiated. It is suggested that stomatological treatment be performed immediately following the induction of the new soldiers. This should be followed by a periodic check-up and prophylactic treatment. Orig. art. has: 3 tables.

SUB CODE: 06/ SUBM DATE: 14Mar66

Card 1/1

SIBIGA, S.

Investigation of the entrance to a port. p. 52. WIADOMOSCI
SLUZBY HYDROLOGICZNEJ I METEOROLOGICZNEJ. Warszawa. Vol. 5, No. 2,
1956.

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, No. 11, August 1956.

SIRIGA, S.

SCIENCE

Periodical: GAZETA OBSERWATORA. P.I.H.M. Vol. 11, no. 7, July 1958.

SIRIGA, S. Hydrologic laboratory of the State Institute of Hydrology
and Meteorology and its activities. p. 4.

Monthly List of East European Acessions (EEAI), LC, Vol. 8, No. 3, May 1959
Unclass.

SIBICKI, S.

TECHNOLOGY

PUBLICATION: WOSPOD ZA WODA, Vol. 18, no. 11, Nov. 1958.

SIBICKI, S.; Skibinski, J. Present tasks of the Department of Hydrodynamics of the State Institute of Hydrology and Meteorology. p. 519.

ENTITLED: List of East European Acquisitions (EEA) LC Vol.8, no. 14, April, 1958, unclass.

SIBIGA, Stanislaw, mgr.inz.

Model testing of the water reservoir in Debe. Gosp wodna 22
no.6:279 Je '62.

1. Zaklad Hydrauliki, Panstwowy Instytut Hydrologiczno-Meteorologiczny, Warszawa.

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001550420005-9

SAMOYLOV, V.D.; SIBILEV, A.A.

Nanosecond-range double-pulse generator. Nauch.-tekhn.sbor.Gos.izd-va
lit. v obl. atom. nauki i tekhn. no.4:117-120 '62. (MIRA 16:10)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001550420005-9"

SOV/68-59-7-30/33

AUTHOR: Sibilev, A.I.

FILE: Stalino Cast Stone Works

POLITICAL: Koks i khimiya, 1959, Nr 7, pp 72 - 75 (USSR)

ABSTRACT: A description of the works lay-out and cast acid and wear-resistant stone articles produced at the above works is given.

There are 3 figures and 2 tables.

ASSOCIATION: Yuzhkoksoremont

Card 1/1

24.3600 (1035, 1144, 1385, 1147)

16799

003/011/045/056

AUTHORS: Zakharchenya, B. I., Sibilev, N. I., Kanskaya, L. M., and Ryskin, A. Ya.

TITLE: Zeeman effect on B_1 and B_2 absorption lines of ruby in strong pulsed magnetic fields

PERIODICAL: Fizika tverdogo tela, v. 3, no. 1, 1961, 3531-3533

TEXT: Zeeman splitting of B_1 and B_2 absorption lines of ruby was achieved by applying pulsed magnetic fields of up to 130,000 oersteds. The C_3 principal axis of the ruby crystals was perpendicular to the direction of observation. It could be orientated perpendicular to, or in the direction of, the magnetic field H . In the diagram showing the results the distances between the components of the quartet are unequal, which is appropriate for the splitting of the principal level ($d = 0.38 \text{ cm}^{-1}$) in the absence of magnetic field. The fact of such splitting is in good agreement with the paramagnetic resonance theory of S. Sugano

Card 142 X

24,6200

26,2420

36881

s/181/62/004/004/025/042
B102/B104

AUTHORS: Gross, Ye. F., Zakharchenya, B. P., and Sibilev, A. I.

TITLE: Zeeman effect of indirect excitons in Cu₂O crystals

PERIODICAL: Fizika tverdogo tela, v. 4, no. 4, 1962, 1003-1006

TEXT: The Cu₂O spectrum shows, apart from the hydrogen-like series, a continuous stepwise absorption; the first step begins at 6164 Å, the second at 6085 Å (T = 77.3°K). This stepwise absorption can be explained among others by the optical spectrum of polaron formation or indirect exciton transitions due to exciton interaction with monochromatic phonons ($E_{ph} = 105 \text{ cm}^{-1}$). The latter model was proposed by R. J. Elliott (Proc. Internat. Conf. on Semicond. Phys. Prague, 408, 1960; Phys. Rev. 124, 340, 1961). It is in good agreement with the observed dependence of the absorption coefficient on the frequency of the light absorbed:
 $k \sim (hv - E_0)^{1/2}$, E_0 is the energy at the beginning of the step; it was checked by experiments of the effect of uniaxial deformation on the short-

Card 1/4

S/151/62/C04/004/025/042

S-32-B104

Zeeman effect of indirect...

wave edge of the first absorption step (FTT, 2, 2963, 1960). A further check was made now when studying the Zeeman splitting of the absorption edge at 153 koe. The pulsed magnetic field (half-period 3 μ sec) was produced by a liquid-nitrogen cooled solenoid. The Cu_2O single crystals were cooled to 77.5°K and exposed to that field in parallel to the directions [100], [110], and [111]. The experimental conditions are given by

$$\begin{array}{llll} I \ H \parallel [100]_z; & \vec{q} \parallel [100]_y; & \vec{\epsilon}(p) \parallel [100]_x; & \vec{\epsilon}(s) \parallel [100]_x; \\ II \ H \parallel [111]_{xy}; & \vec{q} \parallel [1\bar{1}0]_{xy}; & \vec{\epsilon}(p) \parallel [111]_{xy}; & \vec{\epsilon}(s) \parallel [1\bar{1}2]_{xy}; \\ III \ H \parallel [110]_{xy}; & \vec{q} \parallel [1\bar{1}0]_{xy}; & \vec{\epsilon}(p) \parallel [110]_{xy}; & \vec{\epsilon}(s) \parallel [100]_x. \end{array}$$

The vectors \vec{q} and $\vec{\epsilon}$ denote the directions of light propagation and its polarization. In all cases, the measurements were made for $E \parallel H$ and $E \perp H$. With all orientations, the splitting of the quadrupole exciton line with $n=1$ was observed, the total amount of the splitting was 4 Å. The center of gravity of the triplet was red-shifted and the triplet was asymmetric. Besides the quadrupole line also the edge at 6085 Å was split; number and position of components were dependent on the geometry of the experiment.

Card 2/4

S/161/62/004/004/025/042
5102/3104

Zeeman effect of indirect...

(Fig.). The results are analyzed in detail and it is found that, in agreement with Elliott's theory, the steps in the continuous absorption correspond to combined exciton-phonon transitions. The phonon involved has the symmetry F_{12}^- . The continuous exciton absorption in the range of indirect transitions is indicative of exciton energy bands connected with an exciton migration in the crystal. A. G. Zhilich is thanked for discussions. There is 1 figure.

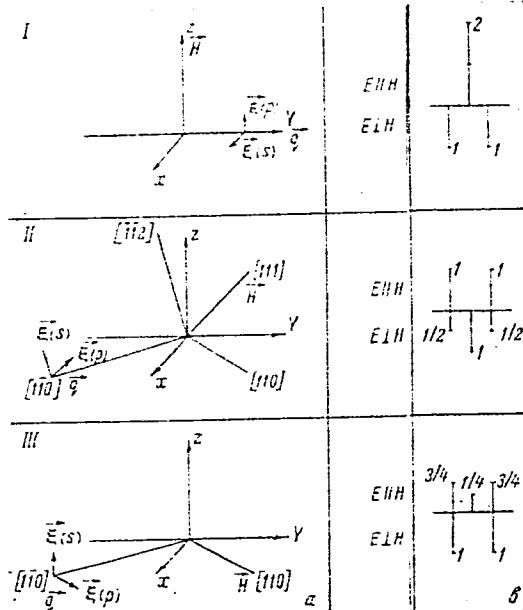
ASSOCIATION: Fiziko-tehnicheskiy institut im. A. F. Ioffe AN SSSR
Leningrad (Physicotechnical Institute imeni A. F. Ioffe
AS USSR, Leningrad)

SUBMITTED: December 13, 1961

✓

Card 3/4

Zeeman effect of indirect...

S/181/62/004/025/042
B102/B104

Card 4/4

S/051/62/012/005/011/021
E039/E120

AUTHORS: Zakharchenya, B.P., and Sibillev, A.I.
TITLE: Magneto-optical investigation of crystals in
strong pulsed magnetic fields. I.

PERIODICAL: Optika i spektroskopiya, v.12, no.5, 1962, 616-621

TEXT: An apparatus is described for the investigation of the Zeeman effect in the absorption spectra of crystals in strong pulsed magnetic fields. The pulsed magnetic field is created by discharging a bank of condensers (200 to 1000 μ F charged to 3 kV), through a liquid nitrogen cooled coil (inductance 1 to 2 milli-henry), capable of producing fields of up to 200 K oersted. The discharge is oscillatory and the first half cycle is used for experiments. Zeeman splitting is investigated by means of a monochromator and photomultiplier using a constant continuous spectrum source. Measurements were also made using photographic recording and a pulsed light source synchronized with one of the alternating magnetic field pulses. A typical microphotometer trace of a Zeeman split line $n = 3$ for a crystal of Cu_2O is

Card 1/2

14517
S/181/63/005/001/049/064
B108/B180

AUTHORS: Gross, Ye. F., Zhilich, A. G., Zakharchenya, B. P.,
Makarov, V. P., and Sibilev, A. I.

TITLE: Zeeman effect of the yellow exciton series in strong magnetic
fields

PERIODICAL: Fizika tverdogo tela, v. 5, no. 1, 1963, 327-338

TEXT: The Zeeman effect of the members of the yellow exciton series of
directed Cu₂O crystals was examined in magnetic fields of up to 140 koe
in the direction perpendicular to the magnetic field. The crystals were
cooled in liquid helium. With increasing field strength the line splitting
grows more complex with rising main quantum number n (Paschen-Bak effect).
The experiments with single crystals showed clear dependence between the
splitting and the orientation of the crystal in the magnetic field. The
Zeeman splitting of the principal members of the yellow series with n > 2
is distorted by the action of forbidden lines. Conclusions: In Cu₂O there
is a Γ_{25}^+ zone at the top of the valency band and a Γ_1^+ zone at the bottom

Card 1/2

SIBILEV, A.I.

Centralization of the repair and modernization of equipment
in the coke by-products industry. Met. i gornorud. prom.
no.3:49-52 My-Je '65. (MIRA 18:11)

L 31501-66 ENT(1)
ACC NR: AP6013032

SOURCE CODE: UR/0051/66/020/004/0730/0732

AUTHOR: Zakharchenya, B. P.; Kreytser, V. L.; Kanskaya, L. M.; Sibilev, A. I.
Peknyy, L. A.

62

B

ORG: none

TITLE: Use of an electron optical converter of light for the study of magneto-optical phenomena in crystals in strong pulsed magnetic fields^{2/}

SOURCE: Optika i spektroskopiya, v. 20, no. 4, 1966, 730-732

TOPIC TAGS: electrooptic image intensifier, magnetooptic effect, Zeeman effect, absorption spectrum, light absorption, PULSED MAGNETIC FIELD

ABSTRACT: Earlier experiments by two of the authors (Zakharchenya and Sibilev, Opt. i spektr. v. 12, 616, 1962), in which strong pulsed magnetic fields were used to investigate the Zeeman effect on absorption lines in optical spectra of crystals, are repeated using an electron-optical converter and a time-sweep technique. In these experiments, the image of a narrow part of the spectrum, containing one line or a group of lines was produced in the focal plane of a spectrograph with diffraction grating (dispersion 4 Å/mm) and projected on an electron-optical converter with a cylindrical lens. The time sweep of the spectrum was produced by

UDC: 539.184.28: 5480.

Card 1/2

FEDOROV, A.Ye., kand. tekhn. nauk; RODINA, N.A., inzh.; SIBILEV, A.N., inzh.

Studying the effect of pitch coke on the characteristics of
heat-resistant concrete. Trudy MIIT no.191:134-143 '64.
(MIRA 18:6)

WATER I BOILS OVER 100° F. 20° C.
20° C. 68° F.

Rehabilitacija i aktivizacija u obitelji i okolini

Fig. 1. *W. V. Falbany*, Dept. of Technical Education, Mysore, India.

REPRODUCED FROM THE ORIGINAL DOCUMENTS OF THE GOVERNMENT
IN ACCORDANCE WITH THE PROVISIONS OF THE
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THE COMMISSION FOR THE RESTORATION
OF DEMOCRATIC AND LEGAL ORDER IN THE
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201/200

Mechanization and Automation (cont.)

4. Mechanization and Automation Laboratory, Z. T., Comitiat
of Technical Sciences and D. G. Shcherbinin Institute
The Institute of Production Tools

RECOMMENDATIONS AND APPENDICES OF COMMITTEE

1. Mechanization and Automation of Educational Institutions, and V. V. R. (Chairman), V. V. Chaudhury, Candidates of Technical Sciences, and V. V. R. (Chairman), Candidates of Technical Sciences.

2. Mechanization and Automation of Control Devices for Generating Parts After Machining (Lecturer, A. V., and S. A. Burovsky, Engineers)

3. Inspection by Means of Edge Currents (Induction, E. M. G., Candidate of Technical Sciences, N. V. Kostylev, Corresponding Member of the Academy of Sciences of the USSR)

Technical section, such as *Electro-mechanics*, *Electric current in the third state*, *Effect of the magnetic and physical properties of the product on the electrical forces* and *Electromagnetic induction of two parameters*.

4. Magnetic Method of Quality Inspection (Induction, P. I. Machine)
Principles of the magnetic method
Characteristics of M. H. Willbrey's system
Measuring the case and barrels of French-harpoon parts

5. Mechanism of Inspection in Function of Large Machinery (Part II)

STRUCTURAL INTEGRITY AND AMPLIFICATION / **STRUCTURE** / **STRUCTURE** / **STRUCTURE**

D.E. Chaudhuri of Economic Sciences, V. M. Institute, Ranchi,
F.T. Acharya, Bhubaneswar
On the methods of calculating economic effects of new machines

SYNTHETIC POLY(URIDYLIC ACID) (Purdey, R. E., *Journal of Biological Sciences*)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001550420005-9"

S/091/61/000/002/001/002
A163/A033

AUTHOR: Sibilev, L. A., Engineer
TITLE: Improvement of the Safety Automatic on the AT-12 (AT-12)-Type
Turbine
PERIODICAL: Energetik, 1961, No. 2, pp. 10-11

TEXT: The author presents an improved design of the safety automatic installed on the AT-12-type turbine at his GRES and produced by the First Brno Machine-Building Plant, Czechoslovakia. The automatic (Fig. 1) broke down twice while in service. This was mainly due to its large number of parts and thread assemblies. The first time it went out of order was when the thread of the socket, made from soft bronze, had been ejected by the centrifugal force. As a result, the pressure plug with the lock nut loosened and - having unscrewed - flew out into the casing of the bearing's front block. Hereby, the pin and the spring of the automatic fell out from the socket, hit the end of the oil switch lever and broke. The breakdown of the safety automatic was detected during a regular routine checking. After one year, the machine was again out of order. A closer examination revealed ✓

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S/091/61/000/002/001/002
A163/A033

Improvement of the Safety Automatic on the AT-12 (AT-12)-Type Turbine

that the head of the pin was not present. It is to be assumed that, during the previous checking, the head hit the oil switch lever and broke. The copper peg stopping the head was cut off. The author recommends a more reliable and simpler design of the automatic (Fig. 2). The head of the automatic and the pin should be made from stainless steel, and the working end of the pin be hardened. There are 2 figures.

Card 2/3

SIBILEV, L.A.

Stand for testing an automatic safety device. Energetik 9
no.8:14-15 Ag '61. (MTRA 14:8)
(Turbines---Safety appliances)

SIBILEV, L.A.

Automatic control of the operation of the terminal turbine glands. Energetik 9 no.9:15-16 S '61. (MIRA 14:9)
(Steam turbines) (Automatic control)

SIBILEV, M., polkovnik

Great achievements of the seven-year plan. Komm.Vooruzh.Sil 1
no.2:8-12 Ja '61. (MIRA 14:8)
(Russia--Economic policy)

Ways of increasing the yield of large and medium anthracite grades
in the mines of Donbassantratsit Combine. Ugol' Ukr. 5 no.9:
22-23 S '61. (MIRA 14:9)
(Donets Basin--Anthracite coal)

SIBILEV, P.A., inzh.

Preventing sudden coal and gas outbursts in the "Zapadnaya" Mine
No.12 of the "Krasnoluchugol'." Ugol'. prom. no.4:84 Jl-Ag '62.
(MIRA 15:8)

1. Kombinat "Donbassantratsit".
(Donets Basin--Mine gases)

SIBILEVA, K.F., aspirant

Characteristics of the treatment of keloid scars. Trudy PSN
64:120-125 '63. (MIRA 17:5)

• A.S.Y. KOVSKAYA, N.N.; F.I.M. TROVA, A.Ye.; SIBILEVA, I.I.

Acrichine with novocaine in the treatment of *Taeniorhynchus* infection. Report No.1: Acrichine and novocaine treatment of patients with normal and persistent forms of *Taeniarynchus* infection.
Med.parazitol. 33 no.4:403-408 J1-4r 1981.

(MIR 18:3)

I. Klinicheskiy otdel Instituta meditsinskoy parashitologii i tropicheskoy meditsiny imeni Ye.I. Martsinovskogo Ministerstva zdravookhraneniya SSSR i kafedra gospital'noy terapii i professional'nykh zabolеваний I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova, Moskva.

FRISMAN, E.V.; SIBILEVA, M.A.; KRASNOPEROVA, A.V.

Hydrodynamic and optical properties of polymer solutions in the
range of high concentrations. Vysokom. soed. 1 no.4:597-606
Ap '59. (MIRA 12:9)

1. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova.
(Polymers)

FRISMAN, E.V.; SIBILEVA, M.A.

Intrinsic anisotropy of macromolecules as a function of the
molecular weight of the polymer. Vysokom. soed. 3 no.8:1284-1285
Ag '61. (MIRA 14:9)
(Macromolecular compounds) (Anisotropy)

FRISMAN, E.V.; SIBILEVA, M.A.

Optical properties of macromolecules of low degrees of polymerization. Vysokom. soed. 7 no.4:674-679 Ap '65.

(MIRA 18:6)

l. Fizicheskiy institut Leningradskogo gosudarstvennogo universiteta.

KUTSEV, V.P.[deceased]; BROD, I.O., prof., doktor geol.-min.nauk, otd.red.;
Prinimali uchastiye: KRYMOV, V.P., mladshiy nauchnyy sotrudnik;
SAMSONOV, L.G., mladshiy nauchnyy sotrudnik; KUSAKIN, M.N.,
laborant; RUGALEVA, A.M., laborant; SIBILEVA, V.I., laborant;
KOLONTAROV, A.P., red.izd-va; GUS'KOVA, O.M., tekhn.red.

[Materials on the geology, and oil and gas potentials of eastern
Ciscaucasia] Materialy po geologii i nefte-gazonosnosti Vostochno-
nogo Predkavkaz'ia. Moskva, 1960. 178 p.

(MIRA 13:12)

1. Akademiya nauk SSSR. Kompleksnaya neftegazovaya geologi-
cheskaya ekspeditsiya. 2. Nachal'nik Kompleksnoy Severo-
Kavkazskoy neftyanoy ekspeditsii AN SSSR, 1952-1955 (for Brod).
3. Dagestanskiy filial AN SSSR (for Krymov, Samsonov).
(Caucasus, Northern--Petroleum geology)
(Caucasus, Northern--Gas, Natural--Geology)

NURKOWA, Krystyna, mgr inz.; SIBILSKI, Henryk, mgr inz.

System for synthetic short circuit tests of circuit breakers
in the high voltage station of the Electro-engineering
Institut. Przegl elektrotechn 38 no.9:403-404 S '62.

1. Zaklad Wielkich Pradow, Instytut Elektrotechniki,
Warszawa.

SIBINGER, S.

Elements for studing the rational use of basic capacities. p. 1.
(Poljoprivreda, Vol. 4, No. 12, Dec. 1956, Beograd, Yugoslavia)

SO: Monthly List of East European Accessions (EXAL) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

SIBINSKI, Henryk; GRELEWICZ, Aurelia

Studies on polymolecular structure changes in the dispersity
of pulp in the alkaline cellulose ripening process. Polimery
tworz wialk 9 no.10:435-439 O '64.

1. Department of Physical Chemistry of the Institute of
Artificial and Synthetic Fibers, Warsaw.

SIBINOVIC, J.

The unity of action in solving the problems of educational indifference. p. 13.
(Socijalna i zdravstvena politika, Vol. 10, No. 2/3, 1957, Beograd,
Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol.6, No. 8, Aug 1957. Umcl.

KIROVSKIY RAYON, I.P., hand. tekhn. nauk; SIBIR¹, F.V.

New architectural and structural type of heavy tonnage dry
cargo turbine-driven ship. Trudy TSNIIMF 54:3-13 '64
(MIRA 18:1)

L 4372-65 EWT(1)/EPA(s)-2/EWG(k)/EWT(m)/EPA(sp)-2/EPF(c)/EEG(k)-2/
EPF(n)-2/EPA(w)-2/T/EPA(bb)-2/EWA/EWP(b)/EWA(h)/FS(b) Pz-6/Pab-10/Pr-4/
Pt-10/Peb/Pu-4/Pk-4 IJP(c)/AFNL/SSD(b)/ASD(a)-5/ASD(f)-2/SSD/ASD(m)-3/
ACCESSION NR: AP4045317 AS(mp)-2/ESD(gs)/S/0048/64/028/Q09/1537/1540
ESD(t) JHB/JD/TT/WW/JG/AT

AUTHOR: Gus'kov, Yu. K.; Pashchenko, V. P.; Sibir, Ye. Ye.

TITLE: Investigation of the operation of a thermionic converter with
different metal film cathodes [Report, Tenth Conference on Cathode
Electronics held in Kiev from 11 to 18 Nov 1963]

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 28, no. 9,
1964, 1537-1540

TOPIC TAGS: thermionic converter, rectifier, cesium, tungsten, molyb-
denum, niobium, rhenium

ABSTRACT: This paper gives the results of investigation of a thermionic converter with a Nb, Mo, W, or Re cathode operated in diffusion and arc modes. The measurements were carried out in glass tubes with rectangular electrodes. The cathodes were in the form of 0.05 to 0.1 mm thick, 5 x 12 mm ribbons and were mounted, by means of tantalum tension wires, 0.7 mm from the massive, finned anode. The tube was filled with cesium vapor at pressures from 0.1 to 10 mm Hg. The experimental results are presented in the form of curves: $I \sqrt{P}$ (P is the

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I 14372-65

ACCESSION NR: AP4045317

Cs vapor pressure) versus $1/T$, I versus V, W versus V, W versus T, and I versus T (T is the cathode temperature). It was found that: 1) in the volume ionization mode, the converter short-circuit current increases with the work function of the cathode material and the Cs vapor pressure; 2) in this mode, the converter current is only weakly dependent on the cathode temperature; 3) the converter voltage at peak power increases with increase of the cathode temperature and with decrease of the cathode work function; 4) in both the volume ionization and low-voltage arc mode, some temperature and voltage hysteresis loops are evidenced (that is, the current depends on the manner of variation in the parameters V and T); 5) a transition to the volume ionization mode can be realized by either a change in the cathode temperature or application of an external voltage. For operation in the volume ionization mode, which is generally more efficient, cathodes with a high work function are preferred. "The author is grateful to the late Prof. I. I. Bon-
darenko for useful discussions and interest in the work." Orig. art.
has: 2 formulas, 6 figures, and 1 table.

ASSOCIATION: none

Card 2/3

L 14372-65
ACCESSION NR: AP4045317

SUBMITTED: 00

SUB CODE: EC, MM

NO REF SOV: 005

O
ENCL: 00

OTHER: 001

Card 3/3

BUDYKA, Nikolay Khristoforovich, kand. ekon. nauk; MEDVEDEV, Vadim Andreyevich, kand. ekon. nauk; SIBIREV, A.I., kand. ekon. nauk, nauchnyy red.; UDAL'TSOV, O.A., red. izd-va; GURDZHIYEVA, A.M., tekhn. red.

[The seven-year plan and reducing the costs of industrial production] Semiletka i snizhenie sebestoimosti promyshlennoi produktsii. Leningrad, Ob-vo po raspr. polit. i nauchn. znanii RSFSR, Leningr. otd-nie, 1961. 61 p. (MIRA 14:9)

(Costs, Industrial)

SOV/123-59-12-46340

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1959, Nr 12, p 67 (USSR)

AUTHORS: Shilin, I., Sibirev, P.

TITLE: The Hot Upsetting of Machine Parts on Eccentric Presses With Electric Contact Heating

PERIODICAL: Prom.-ekon. byul. Sovnarkhoz Kuybyshevsk. ekon. adm. r-na, 1958, Nr 1,
pp 29-30

ABSTRACT: The author suggests a method of upsetting blanks for fittings and fasteners
on a 50-ton eccentric press in dies with electric contact preheating in
butt welding machines. The upsetting output would amount to 200 - 300
pieces/hour. Upset machine parts possess an increased strength in com-
parison with the turned ones. The labor-consumption of the manufacturing
process is lowered and a considerable saving of metal is attained.
3 figures.

I.N.N.

Card 1/1

SIBIREV, S.A.; SMORODINSKAYA, M.B.

Organizing small volume shipments. Zhel.dor.transp. 37 no.2:79-80
F '56. (MLRA 9:5)

1. Nachal'nik otdela kommercheskoy sluzhby (for Sibirev); 2. Star-
shiy inzhener kommercheskoy sluzhby (for Smorodinskaya).
(Railroads--Freight)

30(1)

AUTHORS: P'yavchenko, N. I., Sibireva, Z. A. SOV/20-59-124-2-49/71

TITLE: On the Role of Atmospheric Dust in the Feeding of Swamps
(O roli atmosfernoy pyli v pitanii bolot)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 2, pp 414-417 (USSR)

ABSTRACT: Although the importance of atmospheric dust to the feeding of oligotrophic bogs (high bogs) is generally recognized, the quantitative side of this factor is still insufficiently explained. A. V. Pichugin (Ref 4), analyzing data published by Ia. Vityn' and N. Usov, arrived at the conclusion that the ratio between the amount of salt that is precipitated to the earth (53 mg/liter) and the annual crop corresponds to the absolutely dry vegetable mass, mostly to the index of ash content of the high-bog peats. M. N. Nikonov (Refs 2,3), using the computations made by S. V. Bruyevich, found that the precipitated amounts of allogegenic material may cause an ash content of 1.25 % in the peat. Considerable part of silicon, phosphorus, sulfur, magnesium, and aluminum is also precipitated from the atmosphere, while calcium and iron more or less are carried in by water. The authors dealt with the problem mentioned in the title concerning the high bogs as well as the low bogs in the years 1956-57 in the Severnaya lesnaya optychnaya stantsiya (Northern

Card 1/3

On the Role of Atmospheric Dust in the Feeding of Swamps SOV/20-59-124-2-49/71

Forest Research Station) of the institute mentioned in the association in the Kadnikovskoye Chief Forestry Office of the Kharovskiy Forest Administration (Vologda Oblast). The water taken from ombrographs etc. (summer) was vaporized and the dry residue was determined. In the latter the most important elements were determined after annealing. In winter snow samples were used for the above purpose. The results were recomputed to 1 ha by using the amount of precipitation (from the local water station). The amount of precipitated atmospheric dust was approximately the same in the high and low bogs. For this reason average values are given (Table 1). On an open clearing 164 kg/ha and in the wood 135 kg/ha dust were precipitated. As is known the crowns of the trees are able to collect 30 % and more of the precipitations. In the ashes of atmospheric dust there is about 1/3 silicon and about 1/4 potassium calcium 11 %, magnesium 4 %, and phosphorus about 1 %. Iron, aluminum and sulfur are estimated to be about 1/3 of the ashes. Table 2 shows that the annual precipitation of ash substances (except phosphorus) exceeds the consumption of the elements mentioned by the vegetation of the bogs. It is unknown whether they may be assimilated. Cases of "converted" bogs which have been recorded several times (interruption of the "normal" development of a high bog and replacement

Card 2/3

On the Role of Atmospheric Dust in the Feeding of Swamps SOV/20-59-124-2-49/71

of the Sphagnum mosses by more delicate herbaceous and ligneous vegetation) can be regarded as being due to the effect of atmospheric dust. In this case peat bogs of the low bog type are then formed. Under the influence of dust low bogs show decreasing acidity, an increase of the ash content and an increased degree of decomposition of the peat.- There are 3 tables and 5 Soviet references.

ASSOCIATION: Institut lesa Akademii nauk SSSR
(Institute of Forestry of the Academy of Sciences, USSR)

PRESENTED: August 16, 1958, by V. N. Sukachev, Academician

SUBMITTED: August 14, 1958

Card 3/3

Name: SIRIRKIN, Nikolay Vasil'yevich

Dissertation: Interceptive influences from the gall bladder upon the secretive, motor, and excretive functions of the stomach (clinical-experimental study)

Degree: Doc Med Sci

Affiliation: Not indicated

Defense Date, Place: 27 Apr 56, Council of the Leningrad State Order of Lenin Inst for the Advanced Training of Physicians imeni Kircv

Certification Date: 1 Jun 57

Source: BMVC 16/57

21

SIBIRKIN, N.V., doktor meditsinskikh nauk; PETRAKOV, B.D. (Leningrad)

Organization of scientific and practical assistance of the
Institute for the Advanced Training of Physicians to public
health agencies and institutions. Sov. zdrav. 19 no.7:14-19
'60. (MIRA 13:8)

1. Iz Leningradskogo ordena Lenina gosudarstvennogo instituta
usovershenstvovaniya vrachey im. S.M. Kirova (dir. - dotsent
A.Ye. Kiselev).

(PUBLIC HEALTH)

SIBIRKIN, N.V.; PETRAKOV, B.D.

The Institute's practical aid to rural health departments. Zdrav.
Ros. Feder. 5 no.9:19-23 S '61. (MIRA 14:9)

1. Iz Leningradskogo Lenina instituta usovershenstvovaniya
vrachey imeni S.M.Kirova (rektor - dotsent A.Ye.Kiselev).
(LENINGRAD PROVINCE--PUBLIC HEALTH, RURAL)

MARKOVA, Ye.N., otv. red.; AVERBUKH, Ye.S., red.; BLIMOV, N.I.,
red.; BONDAREV, N.I., red.; BORZUNOVA, A.S., red.;
ZMELEVICH, G.V., red.; MNUKHIN, S.S., red.; MYASISHCHEV,
V.N., red.; PERVOMAYSKIY, B.Ya., red.; PGVORINSKIY, Yu.A.,
red.; POLIKARPOV, S.N., red.; SIBIRKIN, N.V., red.;
FEDOTOV, D.D., red.; CHISTOVICH, A.S., red.; ZACHEPITSKIY,
R.A., red.

[Problems of psychiatry; anniversary collection of articles
dedicated to the 60th birthday of Professor Izmail
Fedorovich Sluchevskii] Problemy psichiatrii; iubileinyi
sbornik, posviashchennyi 60-letiu so dnia rozhdeniya profes-
sora Izmaila Fedorovicha Sluchevskogo. Leningrad, Meditsina,
(MIRA 17:12)
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